

What Is Claimed Is:

1. A liquid crystal cell, in which two substrates are united with a sealing portion extended in a peripheral direction thereof interposed therebetween, and

5 liquid crystal is filled in a space surrounded by the two substrates and the sealing portion,

wherein first and second openings communicating with the space filled with the liquid crystal are formed on side faces or a side surface of the liquid crystal cell,

10 the first opening has a step portion with a region surrounded by the sealing portion, and a gap larger than a gap between the two substrates in the region surrounded by the sealing portion, and

15 the second opening has a gap substantially equal to the gap between the two substrates in the region surrounded by the sealing portion.

2. The liquid crystal cell according to claim 1, wherein the first and second openings are disposed in two side faces of the liquid crystal cell adjacent to each other.

20 3. The liquid crystal cell according to claim 1, wherein the first and second openings are disposed in a corner portion of the liquid crystal cell and in a middle

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portion of a side face in contact with the corner portion
to be separated from each other.

4. A display device comprising:

a liquid crystal cell including liquid crystal
5 filled between two substrates and a color filter provided
in any one of the substrates; and

a backlight unit provided in a backside of the
liquid crystal cell to irradiate the liquid crystal cell,

wherein the liquid crystal cell includes;

10 an outlet for discharging bubbles from the
liquid crystal in the liquid crystal cell, and

a replenishing port bored in a side face of the
liquid crystal cell for replenishing the liquid crystal
cell with liquid crystal by use of a capillary phenomenon,
15 and

the replenishing port includes an introduction
portion continuous to the color filter, a surface thereof
being positioned on the same plane as that of the color
filter.

20 5. The display device according to claim 4,
wherein the introduction portion is provided to be
protruded outside more than the replenishing port.

6. The display device according to claim 4,
wherein the introduction portion is made of the same
material as that of the color filter.

7. A liquid crystal cell comprising:

5 two substrates separated from each other by a
predetermined gap;

a sealing portion extended, between the two
substrates, along the inside more than an outer peripheral
end portion of each of the substrates by a specified dimen-
10 sion, and opened in a peripheral direction of each of the
substrates in a predetermined position;

a wall portion formed around an opened portion
of the sealing portion to reach the outer peripheral end
portion of the substrate from the sealing portion;

15 an opening defined by the two substrates and a
pair of the wall portions; and

liquid crystal filled in a region surrounded by
the sealing portion between the two substrates,

wherein the opening includes bubble trapping
20 means for preventing bubbles mixed in the liquid crystal
having entered the opening from the region surrounded by
the sealing portion from returning to the region surrounded
by the sealing portion.

8. The liquid crystal cell according to claim 7,
wherein as the bubble trapping means, a step portion is
formed in the opening.

9. The liquid crystal cell according to claim 7,
wherein as the trapping means, a recessed portion is formed
in a portion having the opening formed therein.

10. A method of fabricating a liquid crystal cell,
comprising:

a first step of obtaining a liquid crystal cell
having liquid crystal filled between two substrates stuck
together by a sealant;

a second step of discharging bubbles mixed in
the liquid crystal from the inside of the liquid crystal
cell by pressing the liquid crystal cell in a direction
where the two substrates approach to each other; and

a third step of replenishing the liquid crystal
cell with liquid crystal by use of a capillary phenomenon.

11. The method of fabricating a liquid crystal cell
according to claim 10, wherein in the first step, the
liquid crystal cell is obtained by dropping the liquid
crystal onto one of the substrates coated with the sealant,
and then superposing the other substrate thereon.

12. The method of fabricating a liquid crystal cell according to claim 10, wherein the second step is carried out at a temperature for causing viscosity of the liquid crystal to be lower than the viscosity at a normal temperature, and the sealant to be softer than the same at a normal temperature.

13. The method of fabricating a liquid crystal cell according to claim 10, wherein in the second step, a gap between the two substrates is adjusted by pressing the substrates.

14. The method of fabricating a liquid crystal cell according to claim 10, wherein in the third step, liquid crystal is replenished from a side of a conveying direction set for conveying the liquid crystal cell between the fabricating steps.